

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024219**Date Inspected:** 21-May-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** See Below**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Summary of Items Observed: On this date Caltrans OSM Quality Assurance (QA) Inspector, Mike Hasler was present during the times noted above for observations and testing relative to the work being performed.

**Trial Assembly**

This QA inspector performed a random observation for the OBG. During the observation performed it was noted ZPMC was in process of welding segment weld. ZPMC QC inspector Wang Li Yang was present at this time of this observation and informed this QA inspector of the work that is in process and identified Zhu Zhong Hai. It was stated that ZPMC had 3 welders and identified the welders by ZPMC welder identification number appointed to then by ZPMC. This QA inspector verified this information for the following location;

13AE (WR21032)

Weld- SEG3007T-108

WPS-345-FCAW-2G(2F)-Repair-ESAB

Welder- 070007

2G/FCAW/CJP

13AE

Weld- DP3161-001-017

WPS-B-P-2214-TC-U4b-FCM-1

Welder- 067183

4G/SMAW/CJP (LD to Deck Plate)

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 3 )

---

13CE

Weld- SEG3011U-003

WPS- B-P-2214-TC-U4b-FCM-1

Welder- 068924

4G/SMAW/CJP

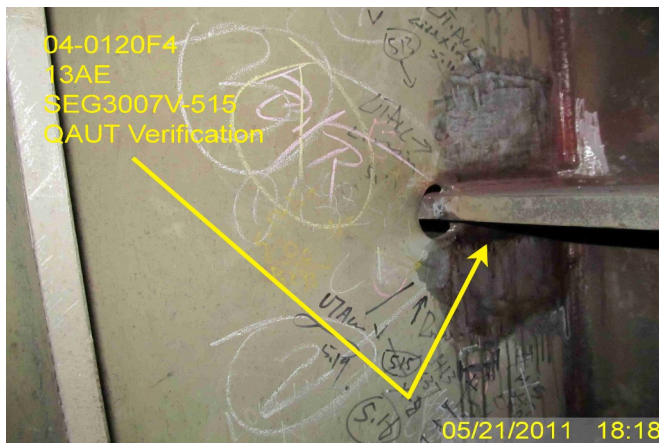
### UT Inspection

This Caltrans QA inspector received ZPMC non-destructive test (NDT) NWIT #09206 Item 1 for Trial Assembly OBG segment 13AE. This QA Inspector performed verification Ultrasonic Testing (UT) inspection after ZPMC had performed their UT inspection of the following locations;

Item 1; SEG3007Q-220, SEG3007D-179, 180, 010, 070, 076, SEG3007V-515, SEG3007E-080, 081

At the time of the verification it was noted that the above component appeared to be within compliance of the contract documents. See Caltrans Ultrasonic Test Report (TL6027), dated 05-21-2011 for additional information. The following digital picture illustrates QAUT inspection of typical welds.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

“As noted within the contents of this report.”

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact James Devey 15000026784, who represents the Office of Structural Materials for your project.

---

**Inspected By:** Hasler, Mike

Quality Assurance Inspector

---

---

## WELDING INSPECTION REPORT

( Continued Page 3 of 3 )

---

**Reviewed By:** Riley, Ken

QA Reviewer